

CLAIMS

1. A thermogenic gene SfUCPa derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 1.

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2. A thermogenic gene SfUCPb derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 3.

3. A thermogenic protein SfUCPA expressed from the gene SfUCPa of Claim 1, which comprises the amino acid sequence of SEQ ID NO: 2.

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4. A Thermogenic protein SfUCPB expressed from the gene SfUCPb of Claim 2, which comprises the amino acid sequence of SEQ ID NO: 4.

5. A DNA fragment comprising the base sequence of SEQ ID NO: 1 or a partial sequence thereof.

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6. A DNA fragment comprising the base sequence of SEQ ID NO 3: or a partial sequence thereof.

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